

East 4/9/04

L Number	Hits	Search Text	DB	Time stamp
2	3	brake\$ same motor same caliper same fail\$4 and fail\$4 with spring	EPO; JPO; DERWENT USPAT; US-PGPUB	2004/04/09 06:57
1	14	brake\$ same motor same caliper same fail\$4 and fail\$4 with spring	USPAT; US-PGPUB	2004/04/09 06:59
3	1	brake\$ same (electromagnet\$4 or motor) and fail\$4 and fail\$4 with spring with rotary adj actuator	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:01
4	1	brake\$ same (electromagnet\$4 or motor) and fail\$4 with spring with rotary adj actuator	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:04
5	1885	brake\$ same (electromagnet\$4 or motor) same caliper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:02
7	0	(brake\$ same (electromagnet\$4 or motor) same caliper) and torsion with spring with fail\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:02
6	26	(brake\$ same (electromagnet\$4 or motor) same caliper) and torsion with spring	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:03
8	12326	brake\$ same (electromagnet\$4 or motor) same releas\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:04
9	8048	brake\$ same (electromagnet\$4 or motor) same releas\$4 near3 brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:04
10	5294	brake\$ with (electromagnet\$4 or motor) with releas\$4 near3 brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:05
11	175	brake\$ with (electromagnet\$4 or motor) with releas\$4 near3 brak\$4 with fail\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:06
12	4	brake\$ with (electromagnet\$4 or motor) with releas\$4 near3 brak\$4 with fail\$4 with spring with (torsion or torque)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:06
13	4	brake\$ with (electromagnet\$4 or motor) with releas\$4 near3 brak\$4 with fail\$4 with caliper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:18
14	17	("1501677" "3984083" "4020923" "4328871" "4371058" "4390161" "4581987" "4595081" "4760895" "4871033" "5346045" "5572505" "5986369" "6325182" "6340077" "6349801" "6471017").PN.	USPAT	2004/04/09 07:16
15	188	brake\$ with (electromagnet\$4 or motor or motordriven) with (automatic adj adjust\$4 or wear adj compensat\$ or wear adj adjust\$4 or slack adj adjust\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:19
16	320	brake\$ with (electromagnet\$4 or motor or motordriven) with (automatic adj adjust\$4 or wear adj compensat\$ or wear adj adjust\$4 or slack adj adjust\$5 or adjuster)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:19
17	0	brake\$ with (electromagnet\$4 or motor or motordriven) with (automatic adj adjust\$4 or wear adj compensat\$ or wear adj adjust\$4 or slack adj adjust\$5 or adjuster) with limiter	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:19

18	19	brake\$ with (electromagnet\$4 or motor or motordriven) with (automatic adj adjust\$4 or wear adj compensat\$ or wear adj adjust\$4 or slack adj adjust\$5 or adjuster) with limit\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:24
19	19	brake\$ with (electromagnet\$4 or motor or motordriven) with (automatic adj adjust\$4 or wear adj compensat\$ or wear adj adjust\$4 or slack adj adjust\$5 or adjuster) with caliper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:25
20	2	brake\$ with (electromagnet\$4 or motor or motordriven) with (automatic adj adjust\$4 or wear adj compensat\$ or wear adj adjust\$4 or slack adj adjust\$5 or adjuster) with caliper with (torque or torsion)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:25
21	33	Usui.in. and caliper same brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:27
22	9	(US-6571921-\$ or US-6349801-\$ or US-6257377-\$ or US-5829557-\$ or US-5496102-\$).did. or (US-20030066719-\$ or US-20020023806-\$ or US-20040035655-\$).did. or (US-20030136616-\$).did.	USPAT; US-PGPUB; DERWENT	2004/04/09 07:30
23	3	("6571921") or ("6491140") or ("6374958").PN.	USPAT; US-PGPUB	2004/04/09 07:32
24	2	(US-6491140-\$ or US-6374958-\$).did.	USPAT	2004/04/09 07:40
25	0	("tokio.asn.andcaliperwithbrak\$").PN.	USPAT; US-PGPUB	2004/04/09 07:43
26	0	tokio.asn. and caliper with brak\$	USPAT; US-PGPUB	2004/04/09 07:43
27	88	tokico.asn. and caliper with brak\$	USPAT; US-PGPUB	2004/04/09 07:45
28	279	tokico.asn. and caliper with brak\$	EPO; JPO; DERWENT	2004/04/09 07:46
29	44	tokico.asn. and caliper with brak\$ with (motor or motordriven or electromagnet\$)	EPO; JPO; DERWENT	2004/04/09 07:46
30	3	tokico.asn. and caliper with brak\$ with (motor or motordriven or electromagnet\$) with (spring or wear or fail\$4 or defect\$4)	EPO; JPO; DERWENT	2004/04/09 07:50

31	147	("5394699" "5462137" "5689994" "6030054" "6095298" "6142030" "6370975" "6481805" "6059379" "6059379" "5306989" "5406180" "5636444" "5855255" "5873434" "6431317" "4574924" "4604915" "5467597" "6030194" "6357558" "6405835" "6571921" "6059076" "6059076" "4006802" "4267903" "5388669" "5614778" "6056090" "6098762" "5975250" "5826683" "5823053" "4339984" "4928797" "5496102" "5826952" "6230492" "4381047" "4621833" "4922121" "5020322" "5022367" "5239897" "5586623" "5716111" "5931268" "5957246" "6164183").pn. ("6334371" "4865163" "4338787" "4384458" "4461371" "4546860" "4881623" "5348122" "5622142" "5850810" "6125819" "4926977" "4300082" "4614380" "4569234" "5195697" "5305966" "5360175"	USPAT; US-PGPUB	2004/04/09 07:50
Search History	4/9/04 7:55:46 AM	Page 3		

-	2	6179097.pn. or 6257377.pn.	USPAT; US-PGPUB	2004/04/09 06:20
-	0	wo0060255	USPAT;	2004/04/09 06:20
-	15	brake\$ same motor same caliper same fail\$4	US-PGPUB EPO; JPO; DERWENT	2004/04/09 06:43
-	35	brake\$ same motor same caliper same fail\$4	USPAT; US-PGPUB	2004/04/09 06:56

PLUS 4/9/04

Butler, Douglas

From: PLUS
Sent: Wednesday, March 03, 2004 9:09 AM
To: Butler, Douglas
Subject: PLUS Results for 10721188

Here are the PLUS search results for 10721188.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



10721188_QUAL.txt



10721188_LIST.txt



10721188_WEST.txt



10721188_EAST.txt



10721188.east



10721188_CLS.txt



10721188_CLSTITLES.t



10721188_WDS.txt

x

10721188_LIST

PLUS Search Results for S/N 10721188, Searched March 03, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

5394699	6334371	6300870
5462137	4865163	4805740
5689994	4338787	5803211
6030054	4384458	4767096
6095298	4461371	4995483
6142030	4546860	5003422
6370975	4881623	5014831
6481805	5348122	5226397
6059379	5622142	5447214
6059379	5850810	5467800
5306989	6125819	5562188
5406180	4926977	6007047
5636444	4300082	6098479
5855255	4614380	6193021
5873434	4569234	3612225
6431317	5195697	4515098
4574924	5305966	4764831
4604915	5360175	4831469
5467597	4175645	4835448
6030194	4301483	4838391
6357558	4318465	4841215
6405835	4403745	5206555
6571921	4531419	5216650
6059076	4549120	5366280
6059076	4610139	5447106
4006802	4807071	5564677
4267903	4892013	5572504
5388669	5234177	5715915
5614778	5261233	5730076
6056090	5274290	5751127
6098762	5293517	5984068
5975250	5370045	6050379
5826683	5382854	6095293
5823053	5439346	6128261
4339984	5537271	6125975
4928797	5575217	6135243
5496102	5643119	6161659
5826952	5679066	6170353
6230492	5752704	6178145
4381047	5762532	6184604
4621833	5797703	6213256
4922121	5954286	6213256
5020322	5975806	6305508
5022367	6039115	6333903
5239897	6072296	6349801
5586623	6092582	6471015
5716111	6145635	6496324
5931268	6170616	6498698
5957246	6182516	4482847
6164183	6250434	4554496

10721188_EAST

(5394699
5462137
5689994
6030054
6095298
6142030
6370975
6481805
6059379
6059379
5306989
5406180
5636444
5855255
5873434
6431317
4574924
4604915
5467597
6030194
6357558
6405835
6571921
6059076
6059076
4006802
4267903
5388669
5614778
6056090
6098762
5975250
5826683
5823053
4339984
4928797
5496102
5826952
6230492
4381047
4621833
4922121
5020322
5022367
5239897
5586623
5716111
5931268
5957246
6164183) .pn.
(6334371
4865163
4338787
4384458
4461371
4546860
4881623
5348122
5622142

10721188_EAST

5850810
6125819
4926977
4300082
4614380
4569234
5195697
5305966
5360175
4175645
4301483
4318465
4403745
4531419
4549120
4610139
4807071
4892013
5234177
5261233
5274290
5293517
5370045
5382854
5439346
5537271
5575217
5643119
5679066
5752704
5762532
5797703
5954286
5975806
6039115
6072296
6092582
6145635
6170616
6182516
6250434) .pn.
(6300870
4805740
5803211
4767096
4995483
5003422
5014831
5226397
5447214
5467800
5562188
6007047
6098479
6193021
3612225
4515098
4764831
4831469

10721188_EAST

4835448
4838391
4841215
5206555
5216650
5366280
5447106
5564677
5572504
5715915
5730076
5751127
5984068
6050379
6095293
6128261
6125975
6135243
6161659
6170353
6178145
6184604
6213256
6213256
6305508
6333903
6349801
6471015
6496324
6498698
4482847
4554496) .pn.

10721188_CLS

Most Frequently Occurring Classifications of Patents Returned
From A Search of 10721188 on March 03, 2004

Original Classifications

5 188/72.1
4 188/71.5
4 188/72.6
3 188/156
3 188/162
3 188/171
3 188/71.9
2 60/442
2 60/562
2 74/335
2 74/89.32
2 123/45A
2 188/173
2 188/352
2 188/72.8
2 303/15
2 318/254
2 318/372
2 360/256.3
2 360/78.12
2 405/198

Cross-Reference Classifications

8 188/162
8 188/72.3
6 188/156
6 188/170
6 188/171
6 188/196R
5 188/158
5 188/72.7
5 303/20
4 188/1.11E
4 188/71.8
4 188/72.8
4 192/90
4 310/77
3 60/589
3 188/18A
3 188/71.9
3 188/72.1
3 188/72.9
3 303/3
3 310/93
3 360/75
2 60/545
2 60/578
2 60/588
2 74/411.5
2 74/625
2 74/89.25
2 74/89.37
2 91/376R
2 114/265

10721188_CLS

2 188/1.11L
2 188/1.11R
2 188/106F
2 188/106P
2 188/161
2 188/196BA
2 188/196P
2 188/72.4
2 192/111A
2 192/30V
2 251/129.13
2 251/216
2 303/191
2 318/138
2 318/376
2 318/439
2 405/196
2 405/203
2 415/123

Combined Classifications

11 188/162
9 188/156
9 188/171
8 188/72.1
8 188/72.3
7 188/170
6 188/196R
6 188/71.9
6 188/72.8
6 303/20
5 188/1.11E
5 188/158
5 188/71.5
5 188/71.8
5 188/72.6
5 188/72.7
5 310/77
4 188/18A
4 188/72.9
4 192/90
4 303/3
4 310/93
4 360/75
3 60/545
3 60/589
3 74/335
3 74/89.25
3 123/45A
3 188/1.11L
3 188/161
3 188/173
3 318/254
2 60/442
2 60/562
2 60/578
2 60/588
2 74/411.5
2 74/473.12

10721188_CLS

2 74/625
2 74/89.32
2 74/89.37
2 91/376R
2 114/265
2 123/316
2 188/1.11R
2 188/1.11W
2 188/106F
2 188/106P
2 188/196BA
2 188/196P
2 188/352
2 188/71.4
2 188/72.4
2 188/73.38
2 192/111A
2 192/30V
2 251/129.13
2 251/216
2 303/115.2
2 303/15
2 303/191
2 310/80
2 318/138
2 318/372
2 318/376
2 318/439
2 360/256.3
2 360/78.12
2 405/196
2 405/198
2 405/203
2 415/123

10721188_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10721188 on March 03, 2004

11 188/162 (3 OR, 8 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/158 .Electric
188/161 ..Electromagnet
188/162 ...Rotary motor

9 188/156 (3 OR, 6 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/156 .Electric and mechanical

9 188/171 (3 OR, 6 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/166 .Spring
188/171 ..Electric release

8 188/72.1 (5 OR, 3 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing
therefor
188/72.1 ..With means for actuating brake element

8 188/72.3 (0 OR, 8 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing
therefor
188/72.1 ..With means for actuating brake element
188/72.3 ...And means for retracting brake element

7 188/170 (1 OR, 6 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/166 .Spring
188/170 ..Fluid-pressure release

6 188/196R (0 OR, 6 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/196R .Slack

6 188/71.9 (3 OR, 3 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing
therefor
188/71.7 ..With means to adjust for wear of brake
188/71.8 ...Self-adjusting means
188/71.9Including unidirectionally rotating screw

6 188/72.8 (2 OR, 4 XR)

10721188_CLSTITLES

Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing
therefor
188/72.1 ..With means for actuating brake element
188/72.7 ...By inclined surface (e.g., wedge, cam or
screw)
188/72.8Screw or helical cam

6 303/20 (1 OR, 5 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/20 ELECTRIC CONTROL

5 188/1.11E (1 OR, 4 XR)
Class 188 : BRAKES
188/1.11R WITH CONDITION INDICATOR
188/1.11E .Electrical

5 188/158 (0 OR, 5 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/158 .Electric

5 188/71.5 (4 OR, 1 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing
therefor
188/71.5 ..Plural rotating elements (e.g., "multidisc")

5 188/71.8 (1 OR, 4 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing
therefor
188/71.7 ..With means to adjust for wear of brake
188/71.8 ...Self-adjusting means

5 188/72.6 (4 OR, 1 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing
therefor
188/72.1 ..With means for actuating brake element
188/72.4 ...By fluid pressure piston
188/72.6And/or mechanical linkage

5 188/72.7 (0 OR, 5 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing
therefor
188/72.1 ..With means for actuating brake element
188/72.7 ...By inclined surface (e.g., wedge, cam or
screw)

5 310/77 (1 OR, 4 XR)
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE

10721188_CLSTITLES

310/10 DYNAMOELECTRIC
 310/40R .Rotary
 310/66 ..With other elements
 310/75R ...Drive mechanism
 310/77Brake

4 188/18A (1 OR, 3 XR)
 Class 188 : BRAKES
 188/2R VEHICLE
 188/17 .Hub or disk
 188/18R ..Motor vehicle
 188/18A ...Disc brakes

4 188/72.9 (1 OR, 3 XR)
 Class 188 : BRAKES
 188/67 ROD
 188/71.1 .Axially movable brake element or housing
 therefor
 188/72.1 ..With means for actuating brake element
 188/72.9 ...By pivoted lever

4 192/90 (0 OR, 4 XR)
 Class 192 : CLUTCHES AND POWER-STOP CONTROL
 192/30R CLUTCHES
 192/82R .Operators
 192/89.2 ..Spring engaged
 192/90 ...Electric release

4 303/3 (1 OR, 3 XR)
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 303/2 MULTIPLE SYSTEMS
 303/3 .Fluid pressure and electric

4 310/93 (1 OR, 3 XR)
 Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
 310/10 DYNAMOELECTRIC
 310/40R .Rotary
 310/92 ..Torque-transmitting clutches or brakes
 310/93 ...Brake type

4 360/75 (1 OR, 3 XR)
 Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR
 RETRIEVAL
 360/69 AUTOMATIC CONTROL OF A RECORDER MECHANISM
 360/75 .Controlling the head

3 60/545 (1 OR, 2 XR)
 Class 060 : POWER PLANTS
 60/325 PRESSURE FLUID SOURCE AND MOTOR
 60/533 .Pulsator
 60/545 ..Having electricity or magnetically operated
 structure

3 60/589 (0 OR, 3 XR)
 Class 060 : POWER PLANTS
 60/325 PRESSURE FLUID SOURCE AND MOTOR
 60/533 .Pulsator
 60/585 ..Holder for reserve liquid feeds master
 60/589 ...Master piston or its actuator mechanically

10721188_CLSTITLES
operates valve between holder and master cylinder

3 74/335 (2 OR, 1 XR)
Class 074 : MACHINE ELEMENT OR MECHANISM
74/640 GEARING
74/325 .Interchangeably locked
74/335 ..Control mechanism

3 74/89.25 (1 OR, 2 XR)
Class 074 : MACHINE ELEMENT OR MECHANISM
74/840 ROTARY DRIVEN DEVICE ADJUSTABLE DURING
OPERATION RELATIVE TO ITS SUPPORTING STRUCTURE
74/89 .Reciprocating or oscillating to or from
alternating rotary
74/89.23 ..Including screw and nut
74/89.25 ...Auxiliary drive (e.g., fluid piston, etc.)
for load

3 123/45A (2 OR, 1 XR)
Class 123 : INTERNAL-COMBUSTION ENGINES
123/45R ROTARY RECIPROCATING PISTON
123/45A .Piston and crankshaft coaxial

3 188/1.11L (1 OR, 2 XR)
Class 188 : BRAKES
188/1.11R WITH CONDITION INDICATOR
188/1.11W .Wear
188/1.11L ..Electrical

3 188/161 (1 OR, 2 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/158 .Electric
188/161 ..Electromagnet

3 188/173 (2 OR, 1 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/166 .Spring
188/171 ..Electric release
188/173 ...Vehicle

3 318/254 (2 OR, 1 XR)
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/254 SELF-COMMUTATED IMPULSE OR RELUCTANCE MOTORS

2 60/442 (2 OR, 0 XR)
Class 060 : POWER PLANTS
60/325 PRESSURE FLUID SOURCE AND MOTOR
60/435 .Having a mechanical clutch or brake device in
the power train
60/442 ..Device holds output in adjusted position

2 60/562 (2 OR, 0 XR)
Class 060 : POWER PLANTS
60/325 PRESSURE FLUID SOURCE AND MOTOR
60/533 .Pulsator
60/562 ..Master piston of one pulsator circuit drives
master piston of a parallel circuit through a resilient,

10721188_CLSTITLES
fluid or lost motion connection

2 60/578 (0 OR, 2 XR)
Class 060 : POWER PLANTS
60/325 PRESSURE FLUID SOURCE AND MOTOR
60/533 .Pulsator
60/574 ..Automatic control of plural stage pressure generation or utilization
60/578 ...Unitarily movable displacer delivers fluid from two delivery chambers, one chamber being ineffective under high pressure delivery

2 60/588 (0 OR, 2 XR)
Class 060 : POWER PLANTS
60/325 PRESSURE FLUID SOURCE AND MOTOR
60/533 .Pulsator
60/585 ..Holder for reserve liquid feeds master
60/588 ...Master piston traps liquid on advance across a feed port in cylinder wall

2 74/411.5 (0 OR, 2 XR)
Class 074 : MACHINE ELEMENT OR MECHANISM
74/640 GEARING
74/411.5 .With brake means for gearing

2 74/473.12 (1 OR, 1 XR)
Class 074 : MACHINE ELEMENT OR MECHANISM
74/469 CONTROL LEVER AND LINKAGE SYSTEMS
74/471R .Multiple controlled elements
74/473.1 ..Transmission control
74/473.12 ...Electrical actuator

2 74/625 (0 OR, 2 XR)
Class 074 : MACHINE ELEMENT OR MECHANISM
74/625 ALTERNATE MANUAL OR POWER OPERATORS

2 74/89.32 (2 OR, 0 XR)
Class 074 : MACHINE ELEMENT OR MECHANISM
74/840 ROTARY DRIVEN DEVICE ADJUSTABLE DURING OPERATION RELATIVE TO ITS SUPPORTING STRUCTURE
74/89 .Reciprocating or oscillating to or from alternating rotary
74/89.23 ..Including screw and nut
74/89.32 ...Carriage surrounding, guided by, and primarily supported by member other than screw (e.g., linear guide, etc.)

2 74/89.37 (0 OR, 2 XR)
Class 074 : MACHINE ELEMENT OR MECHANISM
74/840 ROTARY DRIVEN DEVICE ADJUSTABLE DURING OPERATION RELATIVE TO ITS SUPPORTING STRUCTURE
74/89 .Reciprocating or oscillating to or from alternating rotary
74/89.23 ..Including screw and nut
74/89.37 ...Limit stop

2 91/376R (0 OR, 2 XR)
Class 091 : MOTORS: EXPANSIBLE CHAMBER TYPE
91/358R WORKING MEMBER POSITION FEEDBACK TO MOTIVE

10721188_CLSTITLES
FLUID CONTROL

91/368 .Follower type
91/374 ..Plural movable valve parts
91/376R ...One movable part unitary with working member

2 114/265 (0 OR, 2 XR)

Class 114 : SHIPS
114/264 FLOATING PLATFORM
114/265 .Multiple leg

2 123/316 (1 OR, 1 XR)

Class 123 : INTERNAL-COMBUSTION ENGINES
123/311 FOUR-CYCLE
123/316 .Having subcharger associated with the cylinder

2 188/1.11R (0 OR, 2 XR)

Class 188 : BRAKES
188/1.11R WITH CONDITION INDICATOR

2 188/1.11W (1 OR, 1 XR)

Class 188 : BRAKES
188/1.11R WITH CONDITION INDICATOR
188/1.11W .Wear

2 188/106F (0 OR, 2 XR)

Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/105 .Multiple
188/106R ..Vehicle
188/106F ...Fluid and mechanical

2 188/106P (0 OR, 2 XR)

Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/105 .Multiple
188/106R ..Vehicle
188/106P ...Plural systems

2 188/196BA (0 OR, 2 XR)

Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/196R .Slack
188/196B ..Ratchet
188/196BA ...Rotatable

2 188/196P (0 OR, 2 XR)

Class 188 : BRAKES
188/381 .FRICTIONAL VIBRATION DAMPER
188/196R .Slack
188/196P ..Friction

2 188/352 (2 OR, 0 XR)

Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/151R .Fluid pressure
188/152 ..Road vehicle
188/352 ...With bleeding or filling device

10721188_CLSTITLES

2 188/71.4 (1 OR, 1 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing
therefor
188/71.3 ..Antipodal, relatively separable brake
elements
188/71.4 ...Annular elements

2 188/72.4 (0 OR, 2 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing
therefor
188/72.1 ..With means for actuating brake element
188/72.4 ...By fluid pressure piston

2 188/73.38 (1 OR, 1 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing
therefor
188/73.31 ..Retainer for brake element
188/73.37 ...Having means to prevent vibration of brake
element
188/73.38Spring

2 192/111A (0 OR, 2 XR)
Class 192 : CLUTCHES AND POWER-STOP CONTROL
192/30R CLUTCHES
192/111R .Wear compensators
192/111A ..Automatic wear compensators

2 192/30V (0 OR, 2 XR)
Class 192 : CLUTCHES AND POWER-STOP CONTROL
192/30R CLUTCHES
192/30V .Vibration dampers

2 251/129.13 (0 OR, 2 XR)
Class 251 : VALVES AND VALVE ACTUATION
251/129.01 ELECTRICALLY ACTUATED VALVE
251/129.11 .Rotary electric actuator
251/129.13 ..With speed or braking control

2 251/216 (0 OR, 2 XR)
Class 251 : VALVES AND VALVE ACTUATION
251/213 MECHANICAL MOVEMENT ACTUATOR
251/215 .Plural motions of valve
251/216 ..Screw threads in flow path

2 303/115.2 (1 OR, 1 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/121 SPEED-CONTROLLED
303/113.1 .Having a valve system responsive to a wheel
lock signal
303/115.1 ..System controlled by expandible chamber type
modulator
303/115.2 ...Having electric control

10721188_CLSTITLES

2 303/15 (2 OR, 0 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/13 MULTIPLE CONTROL
303/15 .Fluid and electric

2 303/191 (0 OR, 2 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/121 SPEED-CONTROLLED
303/191 .Odd condition or device detection (e.g., fluid
or brake temperature, hill holder, anti-squeal controller
acoustic emission)

2 310/80 (1 OR, 1 XR)
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
310/10 DYNAMOELECTRIC
310/40R .Rotary
310/66 ..With other elements
310/75R ...Drive mechanism
310/80Motion conversion

2 318/138 (0 OR, 2 XR)
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/138 SPACE-DISCHARGE-DEVICE COMMUTATED MOTOR

2 318/372 (2 OR, 0 XR)
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/362 BRAKING
318/372 .Friction braking

2 318/376 (0 OR, 2 XR)
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/362 BRAKING
318/375 .Dynamic braking
318/376 ..Regenerative

2 318/439 (0 OR, 2 XR)
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/439 MOTOR COMMUTATION CONTROL SYSTEMS

2 360/256.3 (2 OR, 0 XR)
Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR
RETRIEVAL
360/240 HEAD MOUNTING
360/250 .For moving head into/out of transducing
position
360/254 ..Disk record
360/256 ...Latch
360/256.3Electrically driven

2 360/78.12 (2 OR, 0 XR)
Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR
RETRIEVAL
360/69 AUTOMATIC CONTROL OF A RECORDER MECHANISM
360/75 .Controlling the head
360/78.01 ..Track changing
360/78.04 ...For rotary carrier (e.g., disc)
360/78.12Including particular head actuator

10721188_CLSTITLES

2 405/196 (0 OR, 2 XR)
Class 405 : HYDRAULIC AND EARTH ENGINEERING
405/195.1 MARINE STRUCTURE OR FABRICATION THEREOF
405/196 .With work deck vertically adjustable relative
to floor

2 405/198 (2 OR, 0 XR)
Class 405 : HYDRAULIC AND EARTH ENGINEERING
405/195.1 MARINE STRUCTURE OR FABRICATION THEREOF
405/196 .With work deck vertically adjustable relative
to floor
405/198 ..Longitudinally extending projections or
recesses

2 405/203 (0 OR, 2 XR)
Class 405 : HYDRAULIC AND EARTH ENGINEERING
405/195.1 MARINE STRUCTURE OR FABRICATION THEREOF
405/203 .Floatable to site and supported by marine
floor

2 415/123 (0 OR, 2 XR)
Class 415 : ROTARY KINETIC FLUID MOTORS OR PUMPS
415/122.1 INCLUDING SHAFT TRANSMISSION TRAIN, BRAKE,
CLUTCH, OR ATTENDANT ACTUATED DRIVE MEANS
415/123 .Brake or clutch